

Title (en)

VARIABLE TRANSMISSION RATIO MECHANISM AND VARIABLE RATIO STEERING DEVICE

Title (de)

VARIABLER GETRIEBEÜBERSETZUNGSMECHANISMUS UND LENKVORRICHTUNG MIT VARIABLER ÜBERSETZUNG

Title (fr)

MÉCANISME À RAPPORT DE TRANSMISSION VARIABLE ET DISPOSITIF DE DIRECTION À RAPPORT VARIABLE

Publication

**EP 2308742 A1 20110413 (EN)**

Application

**EP 09773147 A 20090626**

Priority

- JP 2009002966 W 20090626
- JP 2008171132 A 20080630

Abstract (en)

A variable transmission ratio mechanism (5) comprises: an input member (20; 20A) capable of rotating around a first axis (A1); and an intermediate member (391; 391A) that allows the differential rotation of the output member (22; 22A). The intermediate member (391; 391A) is capable of rotating around a second axis (A2) that is slanted relative to the first axis (A1). On first and second power transmission surfaces (71, 73) of the intermediate member (391; 391A), corresponding first and second engaging sections (66, 69; 66A, 69A) are respectively arranged according to corresponding first and second arrangement pitch circles (X1, Y1) centered on the second axis (A2). On corresponding first and second engagement circles (Y1, Y2) centered on the first axis (A1), the first and second engaging sections (66, 69) are respectively engageable with corresponding first and second engageable sections (65, 68; 65A, 68A). The diameter (D1) of the first arrangement pitch circle (X1) differs from the diameter (D2) of the second arrangement pitch circle (X2).

IPC 8 full level

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CPC (source: EP US)

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Designated extension state (EPC)

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